AMENDMENTS TO THE CLAIMS

1. (Original) A delivery system for delivery of an active molecule to a patient, said delivery system comprising a population ofexopolysaccharide micelles, each said micelle defining a core for containing said active molecule.

2. (Original) The delivery system of claim 1, wherein said exopolysaccharide is produced by lactic acid bacteria.

3. (Original) The delivery system of claim 2, wherein said bacteria is selected from the group consisting of Lactobacillus strain R2C2, Lactobacillus strain Inix, Lactobacillus strain Es1, Lactobacillus strain K2, Candida kefyr and Candida norvegensis.

4. (Original) The delivery system of claim 1, wherein said active molecule is selected from the group consisting of DNA, RNA, protein, peptide, peptidomimetic, virus, bacteria, neutraceutical product and pharmaceutical agent.

5. (Original) The delivery system of claim 4, wherein said pharmaceutical agent is selected from the group consisting of analgesic, anesthetic, antibiotic, anticancer, anti-inflammatory, and antiviral.

6. (Original) The delivery system of claim 5, wherein said anticancer agent is selected from the group consisting of alkylating agents, alkyl sulfonates, aziridines, ethylenimines,

methylamelamines, acetogenins, camptothecin, bryostatin,callystatin, CC-1065, cryptophycins, dolastatin ; duocarmycin, eleutherobin, pancratistatin, sarcodictyin, spongistatin, nitrogen mustards, nitrosureas, antibiotics, anti-metabolites, folic acid analogues such as denopterin, methotrexate, pteropterin, trimetrexate, purine analogs, pyrimidine analogs, androgens, anti-adrenals, folic acidreplenisher, aceglatone, aldophosphamide glycoside, aminolevulinic acid, amsacrine, bestrabucil, bisantrene, edatraxate, defofamine, demecolcine, diaziquone, elformithine, elliptinium acetate, epothilone, etoglucid, gallium nitrate, hydroxyurea,lentinan, lonidamine, maytansinoids, mitoguazone, mitoxantrone,mopidamol, nitracrine, pentostatin, phenamet, pirarubicin, podophyllinic acid, 2-ethylhydrazide, procarbazine, PSK. RTM. , razoxane, rhizoxin, sizofiran, spirogermanium, tenuazonic acid, triaziquone, 2,2',2"-trichlorotriethylamine, trichothecenes, urethan, vindesine, dacarbazine, mannomustine, mitobronitol,mitolactol, pipobroman, gacytosine, arabinoside, thiotepa, taxanes, chlorambucil, gemcitabine, 6-thioguanine, mercaptopurine, methotrexate, platinum, vinblastine, platinum, etoposide, ifosfamide, mitomycin C, mitoxantrone, vincristine,vinorelbine,navelbin, novantrone, teniposide, daunomycin, aminopterin, xeloda, ibandronate, CPT-11, topoisomerase inhibitor RFS 2000, difluoromethylornithine, retinoic acid, capecitabine, anti-hormonal agents that act to regulate or inhibiting hormone action in hormonal dependent cancers.

7. (Original) The delivery system of claim 6, wherein said anti-hormonal agent is an anti-estrogens or an anti-androgens selected from the group consisting of flutamide, nilutamide, bicalutamide, leuprolide, andgoserelin, and pharmaceutically acceptable salts, acids or derivatives thereof.

8. (Original) The delivery system of claim 6, wherein said alkylating agents is selected from the group consisting of thiotepa and cyclosphosphamide(CYTOXAN) 9. The delivery system of claim 6, wherein said alkyl sulfonates is selected from the group consisting ofbusulfan, improsulfan and piposulfan.

10. (Original) The delivery system of claim 6, wherein said aziridines is selected from the group consisting of benzodopa, carboquone, meturedopa, and uredopa.

11. (Original) The delivery system of claim 6, wherein saidmethylamelamines is selected from the group consisting of altretamine, triethylenemelamine, trietylenephosphoramide, triethylenethiophosphaor-amide and trimethylolomelamine.

12. (Original) The delivery system of claim 6, wherein said acetogenins is selected from the group consisting ofbullatacin and bullatacinone.

13. (Original) The delivery system of claim 6, wherein said camptothecin is the synthetic analogue topotecan.

14. (Original) The delivery system of claim 6, wherein said CC-1065 is selected from the group consisting ofadozelesin, carzelesin andbizelesin synthetic analogues thereof.

15. (Original) The delivery system of claim 6, wherein said cryptophycins is selected from the

group consisting of cryptophycin 1 and cryptophycin 8.

16. (Original) The delivery system of claim 6, wherein said duocarmycin is selected from the group consisting of KW-2189 and CBI-TMI.

17. (Original) The delivery system of claim 6, wherein said nitrogen mustards is selected from the group consisting ofchlorambucil, chlornaphazine, cholophosphamide, estramustine, ifosfamide, mechlorethamine, mechlorethamine oxide hydrochloride, melphalan, novembichin, phenesterine, prednimustine, trofosfamide and uracil mustard.

18. (Original) The delivery system of claim 6, wherein said nitrosureas is selected from the group consisting of carmustine, chlorozotocin, fotemustine, lomustine, nimustine, ranimustine.

19. (Original) The delivery system of claim 6, wherein said anti-metabolites is selected from methotrexate and 5-fluorouracil (5-FU).

20. (Original) The delivery system of claim 6, wherein said purine analogs is selected from the group consisting offludarabine, 6-mercaptopurine, thiamiprine and thioguanine.

21. (Original) The delivery system of claim 6, wherein said pyrimidine analogs is selected from the group consisting of ancitabine, azacitidine, 6- azauridine, carmofur, cytarabine, dideoxyuridine, doxifluridine, enocitabine and floxuridine.

22. (Original) The delivery system of claim 6, wherein said androgens is selected from the group consisting of calusterone, dromostanolone propionate, epitiostanol, mepitiostane, testolactone.

23. (Original) The delivery system of claim 6, wherein said anti-adrenals is selected from the group consisting of aminoglutethimide, mitotane and trilostane.

24. (Original) The delivery system of claim 5, wherein said antibiotics is selected from the group consisting of enediyne antibiotics,aclacinomysins, actinomycin, authramycin, azaserine, bleomycins, cactinomycin, carabicin, carminomycin,carzinophilin, chromomycins, dactinomycin, daunorubicin, detorubicin, 6-diazo-5-oxo-L-norleucine, doxorubicin (includingmorpholino- doxorubicin, cyanomorpholino-doxorubicin,2-pyrrolino-doxorubicin and deoxydoxorubicin), epirubicin, esorubicin, idarubicin, marcellomycin, mitomycins, mycophenolic acid, nogalamycin, olivomycins,peplomycin, poffiromycin, puromycin, quelamycin, rodorubicin, streptonigrin, streptozocin, tubercidin, ubenimex, zinostatin, zorubicin.

25. (Original) The delivery system of claim 24, wherein said enediyne antibiotics is selected from the group consisting of calicheamicin, dynemicin, esperamicin, neocarzinostatin chromophore and related chromoprotein enediyne antiobiotic chromomophores.

26. (Original) The delivery system of claim 25, wherein saidcallicheamicin is selected from the group consisting of calicheamicin γ_1^I and calicheamicin 0_{11}.

27. (Original) The delivery system of claim 25, wherein said dynemicin is dynemicin A.

28. (Original) The delivery system of claim 1, wherein said micelles are having a diameter varying from about 50 nanometers to about 700 nanometers.

29. (Currently Amended) A pharmaceutical composition comprising the delivery system of ~~any one of claims 1 to 28~~ claim 1 in association with a pharmaceutically acceptable carrier.

30. (Currently Amended) An immunomodulator composition comprising animmunomodulating amount of the delivery system of ~~any one of claims 1 to 28~~ claim 1 in association with a pharmaceutically acceptable carrier.

31. (Original) A method for delivering an active molecule to a patient comprising the step of administering the composition of claim 29 to said patient.

32. (Original) The method of claim 31, wherein said administering can be from a route selected from the group consisting out local, parenteral, peritoneal, mucosal,dermal, epidermal, subcutaneous, transdermal, intramuscular, nasal, oral, topical, vaginal, rectal, intra-ocular, intravenous, intra-arterial and by inhalation.

33. (Original) A method for inducing immunomodulation in a patient comprising the step of administering the composition of claim 30 to said patient.

34. (Original) The method of claim 33, wherein said administering can be from a route selected

from the group consisting out local, parenteral, peritoneal,mucosal, dermal, epidermal, subcutaneous, transdermal, intramuscular, nasal, oral, topical, vaginal, rectal, intra-ocular, intravenous, intra-arterial and by inhalation.

35. (Original) Use of the composition of claim 29 for delivering an active molecule to a patient.

36. (Original) The use as claimed in claim 35, wherein said delivering can be from a route selected from the group consisting out local, parenteral, peritoneal,mucosal,dermal, epidermal, subcutaneous, transdermal, intramuscular, nasal, oral, topical, vaginal ; rectal, intra-ocular, intravenous, intra-arterial and by inhalation.

37. (Original) Use of the composition of claim 30 for inducing immunomodulation in a patient.

38. (Original) The use as claimed in claim 37, wherein said delivering can be from a route selected from the group consisting out local, parenteral, peritoneal,mucosal,dermal, epidermal, subcutaneous, transdermal, intramuscular, nasal, oral, topical, vaginal, rectal, intra-ocular, intravenous, intra-arterial and by inhalation.

39. (Original) A method for producing the delivery system of claim 1, comprising the step of incubatingexopolysaccharide in a suitable medium for a time sufficient to form micelle.